

# Virtual Government Technology Center (VGTC)

---



**“Virtualization offers significant benefits, including better security, manageability and access to applications in a distributed world.” Forrester Research, January 5, 2006**

**“Anytime, Anywhere Government Services”**

# Virtual Government Technology Center

---

Gartner Research - Trend:

***“By the end of 2008, more than 300,000 users licenses for host virtual desktops will have been bought. By the end of 2013, approximately 50,000,000 user licenses will have been bought”***

# Virtual Government Technology Center

---

- The ***VISION*** is to architect a Virtualized Infrastructure Solution which will maximize the value of desktop virtualization with IP Phone connectivity through increased availability, increased flexibility, and simplified maintenance.

# Virtual Government Technology Center

---

- The **GOAL** is to develop a, shared-use comprehensive desktop virtualization solutions with integrated management of hardware and software by partnering with industry leaders.

# Virtual Government Technology Center

---

- The ***SCOPE*** is to develop and deploy the Virtualized Infrastructure Solution for the Arizona Department of Administration (ADOA) in partnership with local governments, educational institutions and the business community.

# Partnerships to date

---

## Vendor Partners ---



Government groups----- (ADOA, AZNet, GITA, ASU, Department of Education, to start).

# Virtual Government Technology Center

---

- Our partners are providing desktop virtualization hardware and software for 24 mock offices including servers and switches.
- Our partners will provide architecture, design, deployment, and migration guidance detailing the proposed virtualization solution.
- ADOA will provide office space, rack space, wiring, power and staff on hand.

# Virtual Government Technology Center

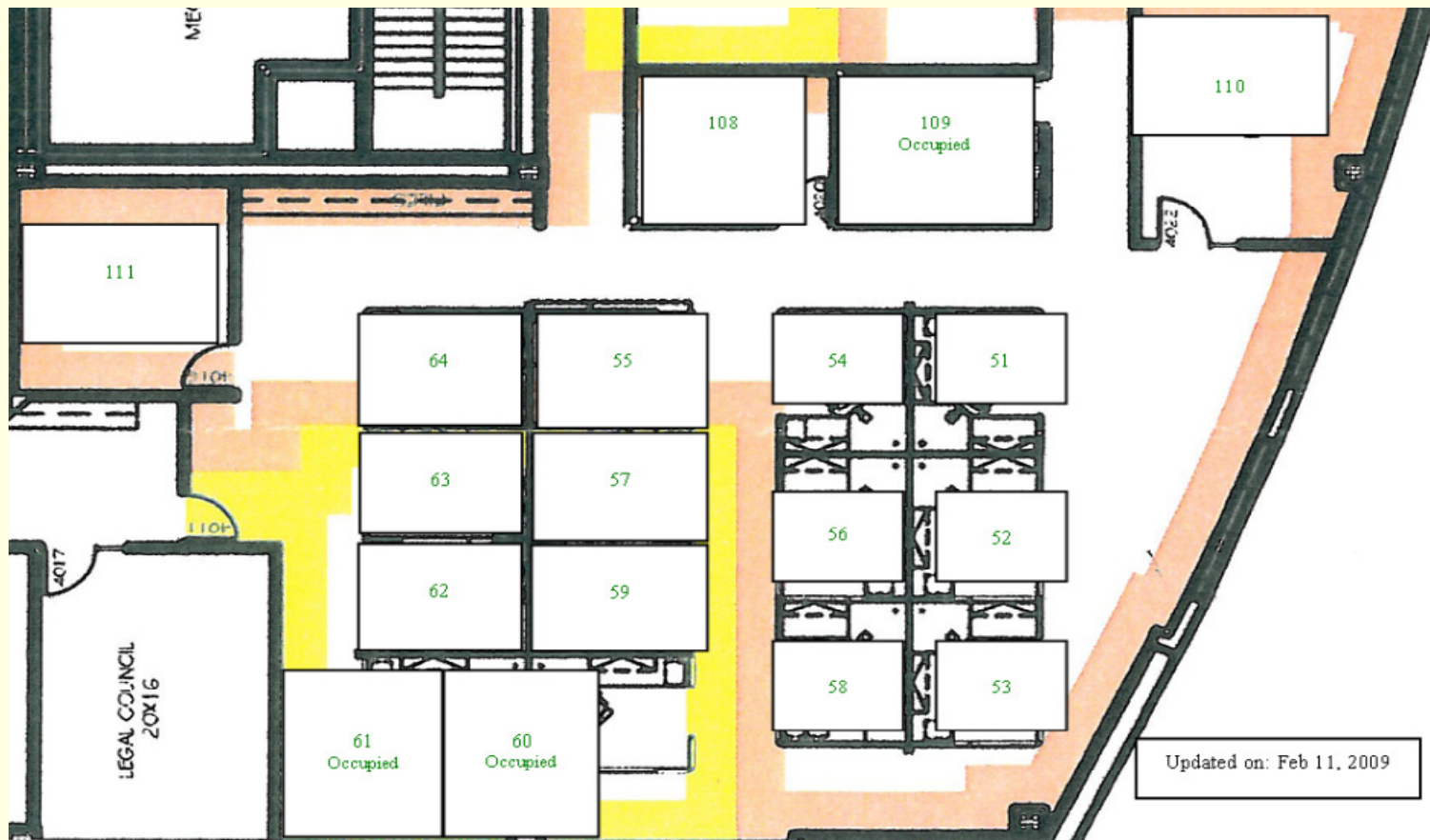
---

Continued. . .

- ADOA Desktop Virtualization Team will assist with development and deployment.
- Partners will provide demo hardware, software and any applicable equipment as a Proof Of Concept.



# Floor Plan of 24 mock offices



# Mock Office Scenario's

|                       |                        |
|-----------------------|------------------------|
| Administrators        | Analysts               |
| Professionals         |                        |
|                       |                        |
| Call Center employees | Customer Service Desks |
|                       |                        |
| Consultants           | Temp Staff             |
| Interns               | Remote Employees       |
| Teleworkers           | Inspectors             |
| Mobile Workers        | Leadership             |

# Total Cost of Ownership Estimates

---

## **According to a study by Gartner:**

(TCO Comparison of PCs with Server-Based Computing, June 2006) thin client TCO annual savings have been measured as high as:

- 79% less downtime cost per user**
- 16% capital cost savings**
- 34% less in maintenance**
- 19% less to operate**
- 48% overall lower total cost savings**

# Financial Case

---

- The financial case is clear: server-hosted virtual infrastructure can save significant IT capital and operational costs.
- Centralizing servers and server support staff leads directly to higher utilization levels.
- Simplified software deployment radically reduces rollout and upgrade costs.
- Longer lifetimes of terminals reduce capital expenditure.
- Reduced power consumption directly lowers energy costs, and indirectly lowers cooling requirements.

# Problems To Solve with VGTC

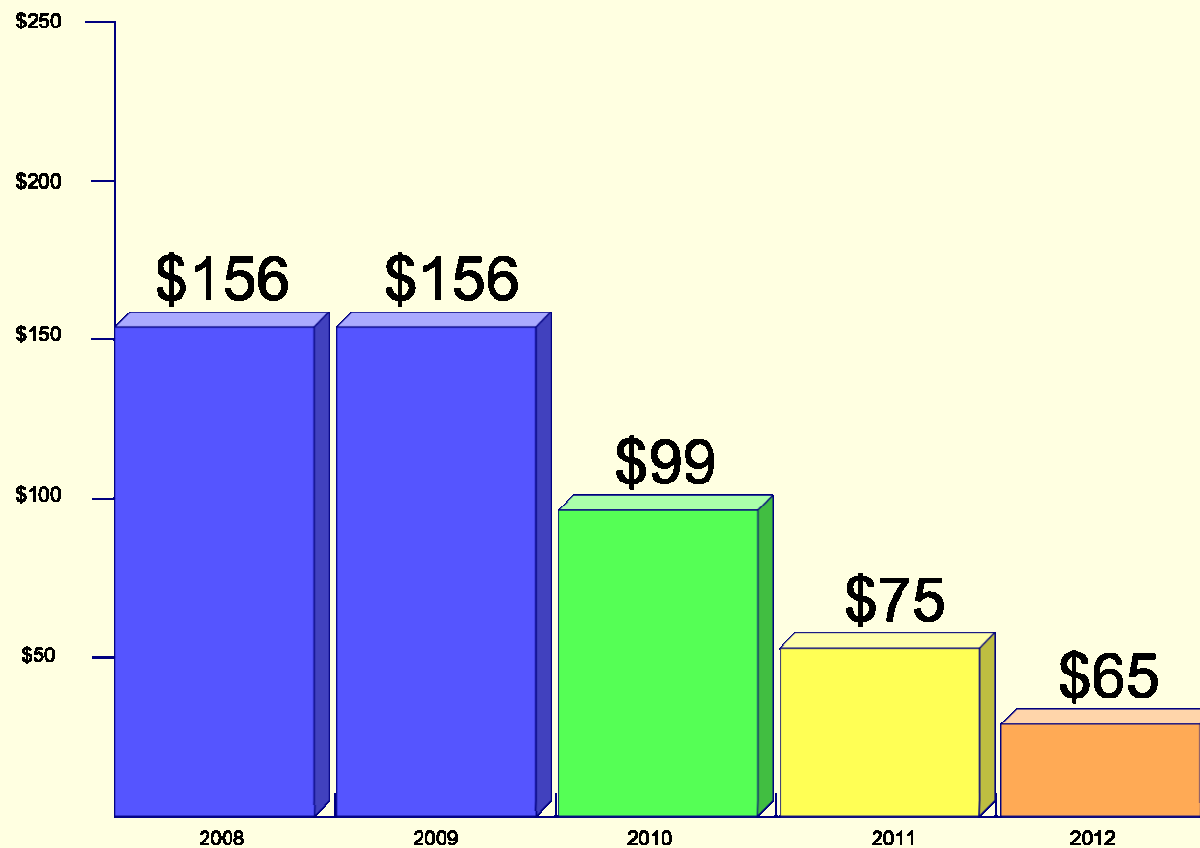
---

- Many versions of software **now available**
- Software rarely used **now available**
- Purchasing **only licenses** than you need
- Being at a **State-of-the-Art** level with HW/SW
- Refresh can **pay for costs as you go**

# ADOA Per Month Cost Per Seat

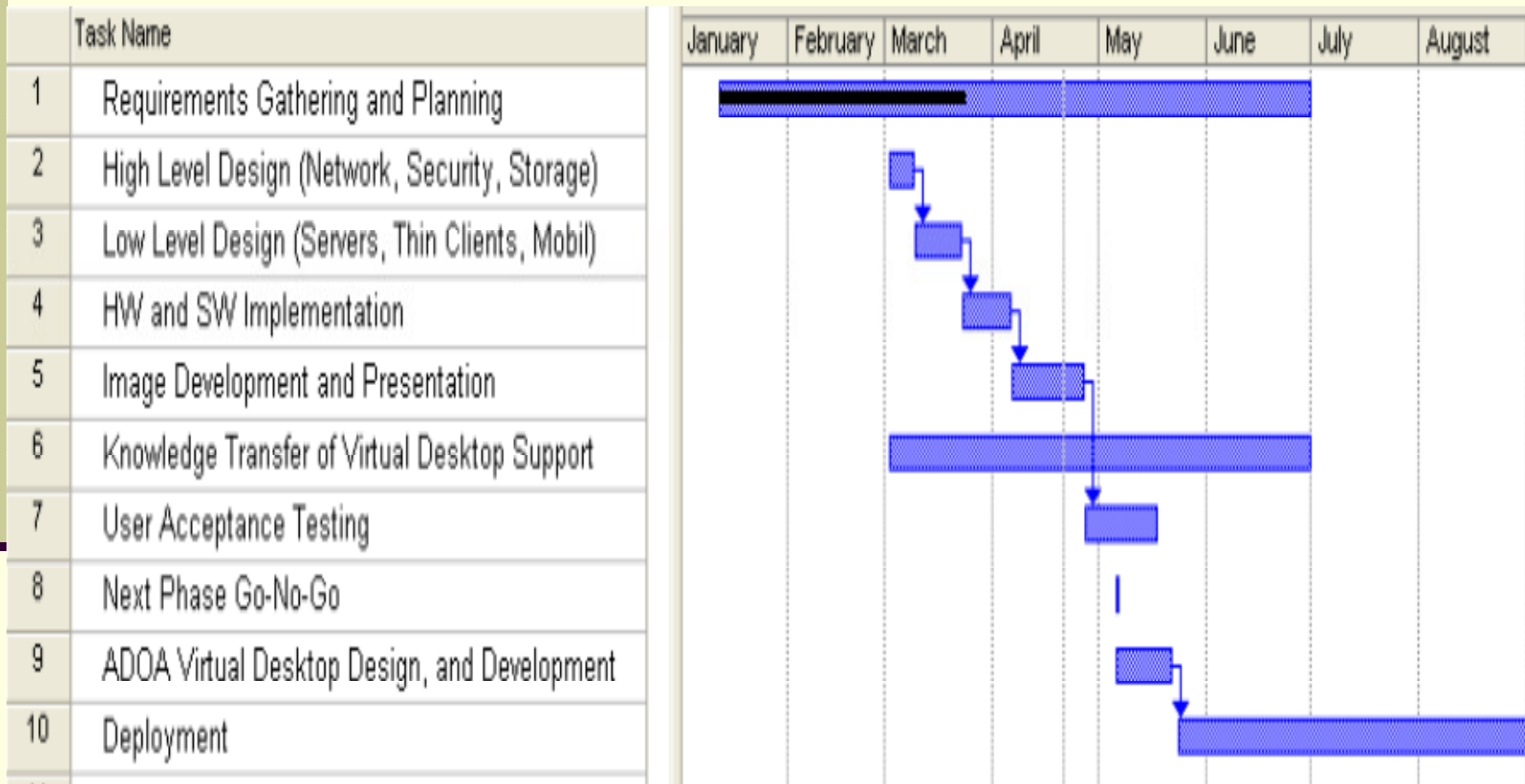
---

## Cost Savings Estimate Per Seat



# Timeline to Build (VGTC)

## Timeline:



# Timeline VGTC over coming years

---

**2010**

**2011**

**2012**

**2013**

Demo existing technology on state contract not yet fully deployed

Add new releases of licensed software (ie. Office 2010)

Wireless devices (ie. Ipad)

WIFI possibilities

Mobile Applications (self service)



# VGTC - Location for two years

---

The Virtual Government Technology Center location:

**Arizona State Capitol Mall  
Department of Administration  
100 N. 15th Avenue Suite 400  
Phoenix, AZ 85007**

***You are welcome to come take a tour in July!  
Email [atul.patel@azdoa.gov](mailto:atul.patel@azdoa.gov)***

# Q & A

---

***“The virtual desktop revolution is here...”***



***Patrick.Quain@azdoa.gov***  
***www.isd.azdoa.gov***